120

Quality Control

Memo

QC

DQA:			Date:											
	WORK ORDER NON-CONFORMANCE / UPDATE										AEROS			
QA Closed:			Date:							\	Nork	Order up	date only	
Work Orde	r:					DISPOSITION								
	•					Rework	l		Skid-tube	Crosstube			Water Jet	Engineering
Part N	о.					Scrap			Machining	Small Fab		Prod	d. Eng. Coor.	Quality
	-					Use-as-is		Thern	noforming	Finishing		Rec/Stor	e/Packaging	Other
NCR N	o.					Suspected Unapproved			Large Fab	Composite			Supplier	
				1										
Root					Desc	ription of work order update		nitial	Acti		1	Sign &		
Cause	_	Date	Step	Qty		or non-conformance	Ch	ief Eng	Descri	iption	_	Date	Verification	QC Inspector
Design	_										İ			
Doc/Data	_	÷					Ì							,
Equip/Tooling														
Handling/Pre	\dashv													
Material	\dashv													
Operator Offset/Setup														
Process	\dashv													
Supplier														
Training														
Transport		٠												
Unapproved			ļ											
							FA	ULT CA	TEGORY					
Landir	ng G	iear				General		_		_			-	_
		Bending				Bend		Folio/f	Program	1	0	utside Dim	ensions	Pressure/Forced
		Centre No	ot Concer	ntric		BOM/Route		Grain	rain			/er/Under		Set-up
		Cracks		<u> </u>	Broken/Damage/Defect		Hardwa		1		rt Incorrec	<u> </u>	Temperature/Cure	
	Crimp/Kink/Ripple/Wave		Burrs	<u></u>	1 .	ion Incomplete/Un	- F	_	ırt Lost/Mi	ssing	Weld			
		Cuffs			\perp	Contamination		4	tions Incomplete/U	Inclear		rt Moved	L	Wrong Stock Pulled
		Crushing				Countersink	\vdash	-	gned/off center	<u> </u>		sitioned V		٦٠
		Heat Trea				Cut Too Short	\vdash	Mislab		L	P ^o	wer Loss/	Surge	Other
	-	Inspectio	•	Tube	<u> </u>	Drawing	\vdash	Misrea						
		Marks/Ch			<u> </u>	Drill Holes	\vdash	Off-set			_			1 81 - 124
		Turning S	•		\vdash	Finish	\vdash	-	Calibration					
	Wave/Twist in Tube			oe		Fit/Function		Out of Sequence						

Work Order ID 111019

January-08-14 12:52:01 PM

111019

Page 2

Item ID:

2 🌤 🚅

D3631-1

Accept

N900040100

Date:

Setup Start

Revision ID:

Item Name: Washer

Required Date: 1/08/14

1/08/14

QC:

Start Qty: 100.00 Reg'd Oty: 100.00 *100* *100*

Cust Item ID:

Customer:

Reference:

Start Date:

Approvals:

Process Plan:

Date:

Date:

Tooling:

Date:

Run Start

Stop

Stop

Sequence ID/ **Work Center ID**

Operation Description

Identify as per dwg & Stock Location: F13)

Set Up/ **Run Hours** Tool ID

Tool # Plan Accept Code Qty

Reject Qty

Reject Insp. Number Stamp

DAS

120

Packaging

Memo

0.00

0.00

SPC (Y/N):

28 14-01-14

Packaging

140

130

QC21- Final Inspection - Work Order Release

0.00

140

Quality Control

OC

Memo

0.00

#14-01-15

DQA:			Date:											$\mathbb{G}^{\mathbb{Z}}$	ART
			D - 1 -			WORK ORDER NON	-CC	ONFO	RMANCE / L		Alamie (- data anti:	¬	EROSPACE
QA Closed:			Date:				_			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	vork (raer u	odate only		
Work Orde	er:					DISPOSITION		AGAINST DE				EPARTMENT/PROCESS			
	-					Rework			Skid-tube	Crosstube			Water Jet	Engin	eering
Part N	lo.					Scrap			Machining	Small Fab		Pro	d. Eng. Coor.		Quality
	-					Use-as-is	1	Thern	noforming	Finishing	7 1	Rec/Sto	re/Packaging		Other
NCR N	۱o. ِ	i				Suspected Unapproved			Large Fab	Composite			Supplier		
Root					Desc	ription of work order update	1	nitial		ction	- 1	gn &			
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Desc	cription	- -	Date	Verification	QC	Inspector
Design															
Doc/Data	\dashv														
Equip/Tooling															
Handling/Pre															
Material											Ì				
Operator															
Offset/Setup															
Process							1						1		
Supplier							ļ								
Training															
Transport															
Unapproved			į							<u>. </u>					
							FA	ULT CA	TEGORY						
Landi	_	ì			_	General		1 .		г	_		F	_	
		Bending			<u> </u>	Bend		4 .	Program	-	— 1		nensions	 1	e/Forced
		Centre No	ot Concer	ntric	<u> </u>	BOM/Route	_	Grain			_	•	tolerance	Set-up	
		Cracks				Broken/Damage/Defect	_	Hardwa				Incorre	ļ		ature/Cure
		Crimp/Kir	nk/Ripple	/Wave	L	Burrs		Inspect	ion Incomplete/U	Jnqualified	_	Lost/M		Weld	
		Cuffs			<u> </u>	Contamination		-}	tions Incomplete,			Moved		Wrong S	Stock Pulled
!		Crushing				Countersink		-1	gned/off center	` <u> </u>	_	itioned \		_	
	_	Heat Trea	at			Cut Too Short	\perp	Mislabe	eled	L	Pov	er Loss,	/Surge	Other	
	L	Inspectio	n Strip in	Tube		Drawing		Misrea	d						
	<u></u>	Marks/Ch	natter			Drill Holes	L	Off-set							
		Turning S	Sequence			Finish		Out of	Calibration						
l	1	Wave/Tu	vist in Tub	ne		Fit/Function	1	Out of	Sequence						

Picklist Print

January-08-14 12:52:00 PM

Page 1

Work Order ID:

111019

Parent Item:

D3631-1

Parent Item Name:

Washer

Start Date: 1/08/14

Required Date: 1/08/14

Start Qty: 100.00

Required Qty: 100.00

Comments:

IPP Rev:A New Issue 07-07-28 JLM Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
95606A170	-	Purchased	No			110	Each	0.0000	1	100			
Washer													

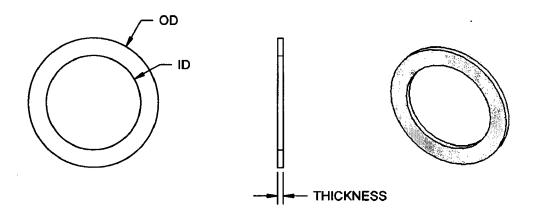
111019 /4/01/14 (150)

DQA:			Date:										
	WORK ORDER NON-CONFORMANCE / UPDATE									AEROSPACE			
QA Closed:			Date:							W	ork Order up	date only	
						DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
Work Orde	er: -					,	1		a		1	\4/=4=" (=4	,
						Rework				Crosstube	Duna	Water Jet	Engineering
Part N	10.					Scrap Use-as-is			Machining noforming	Small Fab Finishing	1	d. Eng. Coor. e/Packaging	Quality Other
NCR N	ما					Suspected Unapproved		men	~ 	Composite	nec/stor	Supplier Supplier	
INCK I	v O.			-		Suspected Onapproved			targe rab C	.omposite	1	Jupplier	. L
Root					Desc	ription of work order update		nitial	Action		Sign &		
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descripti	ion	Date	Verification	QC Inspector
Design													
Doc/Data													
Equip/Tooling													
Handling/Pre							1						
Material													
Operator													
Offset/Setup													
Process													
Supplier													
Training												:	:
Transport				į									
Unapproved													
							FA	ULT CA	TEGORY				
Landi					_	General		1 ,,	•		Ja a.		7
	\vdash	Bending			-	Bend	⊢	┪	Program		Outside Dim		Pressure/Forced
	_	Centre No	ot Concer	ntric	-	BOM/Route	\vdash	Grain		<u> </u>	Over/Under	<u></u>	Set-up
	<u> </u>	Cracks	1 /0: :		\vdash	Broken/Damage/Defect	\vdash	Hardwa		-1:6:1	Part Incorred	⊢	Temperature/Cure
	┝	Crimp/Kir	nk/Ripple	/Wave	-	Burrs	\vdash	4 '	tion Incomplete/Unqu		Part Lost/Mi	ssing	Weld
	_	Cuffs			\vdash	Contamination	\vdash	4	tions Incomplete/Uncl	iear	Part Moved	<u></u>	Wrong Stock Pulled
		Crushing				Countersink	-	4	gned/off center	-	Positioned V		Toub an
		Heat Trea		T. . b	\vdash	Cut Too Short	-	Mislab			Power Loss/	Surge	Other
	-	Inspectio		iupe	\vdash	Drawing	\vdash	Misrea					
	\vdash	Marks/Ch			-	Drill Holes	\vdash	Off-set					
	\vdash	Turning S	-		<u> </u>	Finish	\vdash	-	Calibration				
1	1	Wave/Tw	vist in Tub	oe –		Fit/Function	1	Out of	Sequence				



DESIG	L B	DRAWN BY		EROSPACE LTD RY, ONTARIO, CANADA
CHECK		APPROVED	DRAWING NO.	REV. A
	PH	THE	D3631	SHEET 1 OF 1
DATE			TITLE	SCALE
	07.0)5.16	WASHER	NTS
REV		DATE	DI	ESCRIPTION
A		07.05.16	NEW ISSUE	

SPECIFICATION CONTROL DRAWING



111012 MC2

D3631-X WASHER



PART NUMBER	OD	ID	THICKNESS	MATERIAL	SUPPLIER
D3631-1	0.688	0.500	0.031	NYLON	McMASTER-CARR P/N: 95606A170

1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22590

Purchase Order Date 1/13/2014 PO Print Date 1/13/2014

Page Number 3 of 4

Order From:

MCMASTER-CARR SUPPLY CO, P.O. BOX 7690 CHICAGO, IL 60680-7690

VU-MCM001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

330 995 5500

FedEx PI collect

Customer POID

Chantal Lavoie

Customer Tax #

Terms

10127-2607 Net 10

Currency

Buyer.

USD

FOB

FCA - (Free Carrier)

Ship Via: Ship Acct:

Line Total:

\$12.06

Deliver To: CARL

71500-15

4629T21

COMPARTMENT PLASTIC BOX

1/14/2014

3.00

\$15.60

\$46.80

Yes 1/14/2014

Each

Line Total:

\$46.80

Deliver To: CARL

90145A630

Pin

1/14/2014

10.00

Each

1/14/2014

Yes

\$2.65

\$26.52 🗸

AS PER DWG D3954 REV. D

AS PER DWG D3631 REV. A

B111701

95606A170

B111019

Washer

1/14/2014 100.00 Each Yes 1/14/2014

Line Total:

\$0.09

\$8.60 .

\$26.52

Note:

200 Aurora Industrial Pkwy Aurora CH 44202-8087 330-995-5500 cle.sales@mcmaster.com Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Order Placed By Chantal Lavoie

Purchase Order PO22590

01/13/2014

McMaster-Carr Number 6493270-02

Shipped LNS A1
3 - 234
3 3 - 235
2 2 2 - 690 s
1 1 2 - 623
30 30 3 - 481 ch
7 1 ch

\$1,087.18

\$1,087.18

Merchandise Amount:

Total: